

Zagvozdin, K.
ON THE THEORY OF THERMAL REDUCTION OF
PHOSPHORUS FROM CALCIUM PHOSPHATES
ACCORDING TO WUEHLER. [1963] 23p. (figs. omitted),
12 refs.

Order from O'S or SIA \$2.60

63-16231

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,
v. 7, no. 3, p. 455-464.

DESCRIPTORS: *Phosphorus, *Calcium compounds,
*Phosphates, *Reduction (Chemistry), Dissociation,
Reaction kinetics, Temperature, Manufacturing
methods.

(Chemistry-Physical, TT, v. 10, no. 7)

63-16231

1. Title: Wuehler reaction
1. Zagvozdin, K.

Office of Technical Services

On Equilibrium of Liquid Mixtures and Solutions, by
V. A. Kireev, A. A. Popov,

RUSSIAN, per, Zhur Prikl Khim, Vol VII, No 4, 1934,
pp 489-494.

Sci Tr Center 71 398
RUSSIAN

Scientific - Chemistry
CTS/DEI

RUSSIAN in DOTCH: 070 61-17719

14,059

Kireev, V. A. and Khachadurova, E. M.
 OVER HET EVENWICHT IN VLOEISTOFMENGSELS
 EN IN OPLOSSINGEN. II. KOOKTEMPERATUUR EN
 SAMENSTELLING VAN DEN DAMP VAN HET SYS-
 TEEM: ETHYLAANCOHOL-ETHER (Equilibria in
 Mixtures of Liquids and Solutions. II. Boiling Points
 and the Composition of the System Ethyl Alcohol and
 Ether Vapors) tr. by A. Bosch-Suhacz and
 G. J. M. Fritschy, 6p, 3 refs. MTWL 134. (text in
 Dutch).
 Order from OITS or ETC \$1.55 61-17718

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,
 v. 7, p. 495-496.

DESCRIPTION: Phase studies, *Ethanol, *Ethers,
 Vapors, *Boiling, Temperature.

61-17718

- I. Kireev, V. A.
- II. Khachadurova, E. M.
- III. MTWL-134
- IV. Stichting Moeilijk
 Toegankelijke Wetenschap-
 pelijke Literatuur

Office of Technical Services

Purification and Conversion of the Gas
Obtained in the Electrothermal Volatiliza-
tion of Phosphorus, III, by B. N. DOLGOV,
B. A. Bolotov and A. N. Popova, 7 pp.

RUSSIAN, per, Zhur Prik Khim, Vol VII,
1931, pp 497-502.

SLA R-1212

Sch

Aug 58

72,124

Equilibrium of the Reciprocal System $\text{Na}_2\text{SO}_4\text{-NH}_4\text{NCO}_3\text{-H}_2\text{O}$ at 0° , by A. P. Balopol'skiy, A. Ya. Shpunt, N. T. Serobrennikova.

RUSSIAN, no per, Zhur Prikl Khim, Vol VII, No 5, 1934, pp 669-686.

36,096

Insdoc

Nat Phys Lab of India
Hillside Rd
New Delhi-12, India

Scientific - Chemistry

Jun 56/dex

Utilization of Natural Sodium Sulphate For Obtaining
Soda and Ammonium Sulphate, by A. P. Belopol'skiy,
N. P. Aleksandrov.

RUSSIAN, no per, Zhur Prikl Khim, Vol VII, No 5, 1934,
pp 687-724.

36,095

Madoc

Net Phys Lab of India

Elliside Rd

New Delhi-12, India

Scientific - Chemistry

Jan 56/dax

Orlov, N. A., Shestakovskii, M. P., and
Shabarov, V. V.

THE MANUFACTURE OF CYCLOHEXANOL, tr. by
G. J. M. Frutkin. 7p, 6 refs. MTWL: 334.
Order from OTS or EIT: \$1.55

61-17928

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934, v. 7,
p. 760-763.

DESCRIPTORS: *Cyclohexanols, *Phenols, Hydroge-
nation, Nickel catalysts.

61-17928

- I. Orlov, N. A.
- II. Shestakovskii, M. P.
- III. Shabarov, V. V.
- IV. MTWL-334
- V. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Catalytical Saponification of Chlorobenzene With
Steam, by D. V. Tishchenko, A. M. Churbakov, 9 pp.
RUSSIAN, per, Zhur Prik Khimiy, Vol VII, No 5,
1934, pp 764-769.
OTS 63-18340

Sci-Chem
March 64

252,069

A New Type of Silica Gel for Regenerating
(Transformer) Oils, by M. V. Kurlin. 5 pp.
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 7,

1934, pp 825-829.
OTS TT-61-18023

Sci/Propulsions & Fuels
Jun 67

327,701

The Solubility of Sulfur Dioxide in Sulfuric
Acid by E. K. Lopatto, A. M. Savitsky, 8 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol VII, N 1934,
pp 881-886.

SLA R-2935

Sci

Jul 59

92, 350

Yarlykov, M. M.
 DE EVENWICHTSTOESTAND VAN DE OPLOSSAAR-
 HEID VAN DE SYSTEMEN: $\text{KCl-H}_2\text{O-NH}_4\text{Cl}$ EN
 $\text{NaCl-H}_2\text{O-NH}_4\text{Cl}$ (The State of Solubility Equilibrium
 of the Systems $\text{KCl-H}_2\text{O-NH}_4\text{Cl}$ and $\text{NaCl-H}_2\text{O-NH}_4\text{Cl}$)
 tr. by A. F. Solov'ev and G. J. M. Prigochy. 7p.
 MTN.L.: 130. (Text in Dutch).
 Order from OHS or DTIC \$4.55

61-17720

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,
 v. 7, p. 902-905.

DESCRIPTOR: Solubility. *Phase studies. Chemical
 equilibria. *Chlorides.

61-17720

- I. Yarlykov, M. M.
- II. MTN/L-136
- III. Stichting Moeilijk
 Toegankelijke Wetenschap-
 pelijke Literatuur

Office of Technical Services

^a
A Material and Energy Balance for the Carbide Process,
by G. Y. Tarasov, 12 pp.

^{ar}
RUSSIAN, per, Zhur Prikl Khim, Vol VII, 1954, pp
906-915.

SIA R-2903

Sci

Jul 59

92,630

Zhur Prikl Khim, # 2, 1121-4, (1934)

The Viscosity of Phosphoric Acid, 411P

N. D. Litvinov, T. A. Kryukov and E. A. Kurochkina
(Scientific Inst of Fertilizers)

(Wilson Dam 2889)

SLAR-3027

Modern of Xylene, by H. Ya. Solovnikov,

RUSSIAN, no per, Zhur. Prikl. Khim., Vol VII, No 6,
1934, pp 1028-1035.

Sci. mem. 56/247
Nat'l Res Lib 42 503

39,865

Sci. - Chemistry
Oct 1936 CTS/len

Physical-Chemical Investigation of the Manufacture
of Thermophosphates, by A. G. Bergman, 3 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol VII, 1934, pp
1125-1127.

SLA R-2985

Sci

Jul 59

92, 392

Physical-Chemical Investigation of the Manufacture of
Thermophosphates. II. The Application of light in
Visual Observations of High Temperatures, by K.
Kamenin, 4 p.

RUSSIAN, in, Zhurnal Khim. Vol VII, 1934, pp.
1127-1129

SLA R-2985

Sci

Jul 59

92, 412

Physicochemical Investigation of the Manufacture of
Thermophosphates. III. The Interaction of Apatite
and Soda, by A. P. Pelkin, M. P. Golovkov, 14 pp.

RUSSIAN, per, Zhur. Prikl. Khim., Vol VII, 1943, pp
1130-1143.

Sci
SLA R-2984

Sci

Jul 59

92,421

Physical-Chemical Investigation of the Manufacture of
Thermophosphates. IV. The Preparation of Sodium
Phosphate, by A. P. Polkin, 4 pp

RUSSIAN, per, Zhur Prikl Khim, Vol VII, 1934, pp
1144-1146.

SLA R-2983

Sci

Jul 59

92,420

Preparation of 1,3-Butadiene From
2-Butene, by B. P. Fedorov, A. I. Smirnova.
RUSSIAN, per, Zhurnal Prikladnoi Khimii,
Vol VII, 1934, pp 1166-1180.
CFSTI TT 61-16970

Jun 67

327,275

Kireev, V. A., Kaplan, S. I., and Zlobin, V. N.
 OVER HET EVENWICHT IN VLOEISTOFMENGSELS
 EN IN OPLOSSINGEN. III. KOOKTEMPERATUUR EN
 DAMPSAMENSTELLING VAN DE SYSTEMEN:
 BENZYLCHLORIDE-TOLUOL EN AETHYLEEN-
 CHLORHYDRINE-WATER (Equilibrium in Liquid
 Mixtures and Solutions. III. Boiling Points and the
 Composition of the Vapors of the Systems Benzyl
 Chloride-toluene and Ethylene Chlorohydrin-water)
 tr. by A. Bösch-Schäfer and G. J. M. Fritschy. 11 p.
 5 refs. MTWL: 113 (text in Dutch).
 Order from OTS or ETC \$1.55 61-17717

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,
 v. 7, p. 1333-1338.

DESCRIPTORS: Phase studies, *Boiling, Temperatu-
 re Vapors, *Toluenes *Chlorides.

61-17717

- I. Kireev, V. A.
- II. Kaplan, S. I.
- III. Zlobin, V. N.
- IV. MTWL-133
- V. Stichting Moettijk
 Toegankelijke Wetenschap-
 pelijke Literatuur

Office of Technical Services

Grodzovskiy, M. K. and Chukhanov, Z. F.
 GASIFICATION OF THE HOT MATERIAL LAYER
 BY MEANS OF OXYGEN-ENRICHED AIR. [1961]
 (28)p. 7 refs. NCB Trans. A.1620/SEII (DSIR LLU)
 M.1814.

Order from LC or SIA ml\$2.70, ph\$4.80 61-13138

Trans. of Zhurnal Prikladnoy Khimii (USSR)
 1936 [v. 7] no. 8, p. 1398-1422.

(Chemistry--Physical, IT, v. 3, no. 12)

61-13138

1. Blast furnaces- Fuel consumption
2. Oxygen--Metallurgical effects
3. Combustion Analysis
4. Grodzovskiy, M. K.
5. Chukhanov, Z. F.
13. NCB-A1620/SEII
- IV. DSIR LLU M.1814
- V. National Coal Board (Gt. Brit.)

10655

Division of Technical Services

Slobodin, Ya. M.
COMPARISON OF POLYMERIZING AND ADSORPTION
ABILITY OF SILICATES. [1961] 8p 11 refs.
Order from OTS, SLA, or ETC \$1.10 TT-61-16612

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1935,
v. 8 [no. 1] p. 35-43.

DESCRIPTORS: *Silicates, Polymerization, Adsorption,
Effectiveness, Tests.

(Chemistry--Physical, TT, v. 11, no. 3)

TT-61-16612

I. Slobodin, Ya. M.

Office of Technical Services

On the Initial Stage of Combustion of Hydrocarbon
Fuels, by K. I. Ivanov, V. K. Savinova, 33 pp.

(22.11)
RUSSIAN, per, Zhur Priklad Khim, Vol VIII, 1935,
pp 64-91.

SLA Tr R-620 (22.11)
OTS TT-61-04615 (22.11)

Sci - Chemistry, fuels
Oct 57

54, 479

Construction and Operation of Platinum-Resistor
Furnace for the Laboratory to Operate at 1550°,
by K. Romanin, 8 pp.

RUSSIAN, per, Zhur Prikl. Khim, Vol VIII, 1935, pp
177-183.

SLA R-2926

Sci

Jul 59

92,608

On the Solubility of Sodium Sulfate in Aqueous
Solution of Ammonium Carbonate at 32.5°, by N. P.
Belopol'skiy, V. V. Usturov.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol VIII,
No 2, 1935, pp 193-194.

Indoc
National Physical Laboratory of India,
Hillside Road
New Delhi-12, India

Chemistry

36,150

Jan 56 CFB

The interaction of sodium chloride and kaolin at high temperatures, by I. I. Vitaygorodskiy, V. I. Bokunyaveva
RUSSIAN, per, Zhurnal Prikladnoy khimii, Vol 8, No 2,
1935, pp 230-237.

NASA TT F 14,251

NASA TT F 14,251

apr 72

Phosphorus Nitride, its Preparation and
Properties (1), by V. P. Postnikov and
L. L. Kuznetsov, 13 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol VIII, 1955,
pp 129-133.

SLA R-2509

301

Aug 58

72, 965

A Contribution to the Knowledge of Hemic Substances
by E. A. Orlov, V. V. Tishchenko, E. M.
Tarasenkova, 5 p.

RUSSIAN, per, Zhur Prii Khin, 1935, Vol VIII, No 3,
pp 501-504.

SLA 59-20895

Sci
Apr 60
Vol XII, No 2

111,655

Determination of Thermodynamic Properties of
Solutions of Mineral Salts During Evaporation
and Crystallization, by G. I. Voinilovich,
L. K. Akhrop, L. S. Mai.

RUSSIAN, no per, Zhur Prik Khim, Vol VIII, No 4,
1935, pp 589-597.

INSDOC T. 760

29,567

Scientific - Chemistry
Indian Natl Sci Doc Center, Natl Physical Lab
of India, Hillside Rd, New Delhi, 12.

Vapor-Phase Hydrolysis of Chlorobenzene, by
D. Tishchenko, R. Gurnier, et al, 22 pp.
RUSSIAN, per Zhar Prii Khimiy, Vol VIII, No 4,
1963, pp 685-694.
OTS 63-18541

Sci.-Chem
March 64

252,068

Physical Heterogeneity of Nitrocellulose and the
Properties of Its Fractions, Part I, by Z. Rogovin,
S. Glazman, 17 pp.

RUSSIAN, Proc. Zhur Prikl Khim, Vol VIII, No 7,
1935, pp 1237-1247.

Sci Trans Center RT-9'8

Scientific - Chemistry
CIS/DEX

13,952

Obtaining Chlorine Compounds of Phosphorus from
Phosphorites, by A. I. Georgykin, 12 pp.

RUSSIAN, per, Izv Prikl Khim, Vol VIII, 1935, No
pp 1380-1387.

SLA R-3359

Sci

Aug 59

94, 174

The Composition of the High Molecular Weight
Acids from the Wax-Like Fraction of Peat
Mireux, by E. V. Roguyinskaya.

RUSSIAN, paper, Zhur Prikl Khim, Vol IX, 1956,
p 168.

Dept of Int
US Bur of Mines
Central Exper Sta
Pittsburgh, Pa. NO 381

Sci - Chem
May 59

87,741

Cathodic Reduction of Oxides on Metallic Iron as
a Method for Determination of Corrosion, by
E. A. Nikiforov, L. M. Glukhovskaya

RUSSIAN, no par, Zhur. Prikl. Khim. Vol IX, No 2,
1936, pp 217-224.

Navy Tr 1428/IRL 585

Sci - Chemistry
Dec 58 CTS

41,227

The vapour pressures of HF , SiF_4 and H_2O over solutions
of the system $\text{HF}-\text{H}_2\text{SiF}_6-\text{H}_2\text{SO}_4-\text{H}_2\text{O}$, by N. Khaydukova, E.
Minetzkaya, and A. Bogdanov.

REF. RUSSIAN, per. Thur Prikl Khim., 9, 1936, (3),
p. 435-45.

Sci Museum Lib No 51/1897 — London

The Determination of the Viscosity and
Density of Water Solutions of Urea, by
M. D. Litvinov and A. I. Mel'nikova, 7
pp.

RUSSIAN, per, Zhur Prikl Khim, Vol IX,
1936, pp 583-588.

SLA R-2437

Sci

Aug 58

72,058

LITVINOV, N. D.

R-2865. Molecular weight of melted yellow
phosphorus. Zhur. Priklad. Khim. 9, no. 4, (2p.)

Dynamics of Red Phosphorus Production, by I. Y.
Zvorukin, 13 pp.

RUSSIAN, per, Zhur Prii Khim, Vol IX, 1936,
pp 179-788.

SLA/R-2496

Sci
Apr 57

84, 914

Production of Resorcinal, by N. I. Volynkin,
4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol IX, No 5,
1936, pp 885-888.

Assoc Tech Serv

FJ 893

Sci

Aug 58

72,455

Influence of ~~Phosphoric~~ Phosphoric Acid
Upon Clays, by P. P. Radnikov, M. I.
Nekrich and A. Kvitnitskiy, 9 p.

RUSSIAN, per, Zhur Pril Khim, Vol IX,
1936, pp 986-993.

SLA R-2243

Sci.

Aug 58

72,221

Nickel and Chromium Plating of Tungsten Filaments,
by V. D. Polyakov, 9 pp.

RUSSIAN, no per, Zhur Frik Khim, Vol IX, 1936,
pp 1033-1037.

AEC Tr 1704

Scientific - Chemistry

CTS/DEX

7311

2h. Park. Kh. IX, No. 6, 1936

1.p. 10'38-48

N. P. Kozhko, Concerning
Investigation of the Subscrip-
tion Process.

RT-2004

Ray M25

JAN 11 1951

Production of Lacquer Nitrocellulose from Purified
Woodpulp., Part I., by L. E. Akin, A. S. Konoplev,
18 pp.

RUSSIAN, eng. per. Zhur Prikl Khim, Vol IX, No 6,
1936, pp 1082-1089.

Sci Tr ~~Sci~~ Center RT-680

Scientific - Chemistry

10,658

Preparation of Lacquers from Woodpulp Nitrocellulose.
Part II., by L. E. Akin, V. V. Zhebrovskii, 9 pp.

RUSSIAN, no per, Zhur Prikl Khim, Vol IX, No 6, 1936
pp 1090-1095,

Sci Tr Center RT-681

Scientific - Chemistry

1, 659

Nikolaev, N. S., Ivanov, N. A., and Koltypin, S. G.
SODIUM SILICOFLUORIDE AND ALUMINUM FLUORIDE AND THEIR SOLUBILITY IN WATER AND IN HYDROFLUORIC ACID, [1963] 16p. 8 refs.
Order from OTS or SLA \$1.60 63-14618

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1966,
v. 9, p. 1188-1190.

DESCRIPTORS: *Sodium compounds, *Fluorides,
*Silicates, Solubility, Water, Acids, Aluminum
compounds, Temperature, Statistical data.

The work described showed that with increase of temperature and HF concentration in the solvent the solubilities of both Na_2SiF_6 and $\text{Al}_2\text{F}_6 \cdot \text{H}_2\text{O}$ increase. The composition of the aluminum fluoride corresponding to the ordinary method by which it is produced was established. This composition is $\text{Al}_2\text{F}_6 \cdot 5\text{H}_2\text{O}$. Livesei-
(Chemistry-Inorganic, TI, v. 10, no. 4) (over)

63-14618

I. Nikolaev, N. S.
II. Ivanov, N. A.
III. Koltypin, S. G.

Office of Technical Services

Preparation of Hydrocarbons of the Butadiene
Series, by V.P. Krauze, Ya. M. Slobodin. 10 pp.
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 9,
1956, pp 1278-1288.
SLA TI-61-18054

Sci/Chemistry
Jul 60

305,989

Zh Priklad Khim Vol 9, page 1378-86 (1936)

Sulfate to
Reduction of Sodium/Sulfide by Natural Gas
by D. I. Dionis'ev

AEC Trans (avail. Brookhaven)

Heats of Combustion of Isoprene and Products
of its Polymerization, by S. V. Lebedev,
M. A. Khokhlovkin, et al. 9 pp.
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 9,
1936, pp 1805ff.
SLA 71-61-16633

Sci/Chemistry
Jul 66

305, 990

Svetlov, Yu. M. and Vul'fson, N. S.
PREPARATION OF SECONDARY OCTYL ALCOHOL
AND SEBACIC ACID [1961] 28p 27 refs
Order from OIS, SLA, or ETC \$2.60 TT-61-16551

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1956,
v. 9, p. 1615-1625.

DESCRIPTORS: *Alcohols, Octanes, *Sebacic acid,
Synthesis (Chemistry), Purification, Permanganates,
Distilling plants

(Chemistry-Organic, TT, v. 11, no. 3)

TT-61-16551

1. Title: sec-Octyl alcohol
- I. Svetlov, Yu. M.
- II. Vul'fson, N. S.

Office of Technical Services

Chemistry of Titanium IV. Chlorination of Titanio-
magnetite, by A. V. Pamfilov, R. G. Shtandel',
15 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol IX, No 10, 1936,
pp 1770-1780.

Sci Tr Center
RT-1384

Scientific - Chemistry

CIS/DEX

18,760

Preparation of Calcium Sulfide from Gypsum, by V. R.
Ter-shnerich, G. N. Evstafiy, 21 pp.

RUSSIAN, per, ^u214r Prik Khim, Vol IX, 1936, pp
2155-2171.

3008

CIA R-~~214~~

Sci

Jul 59

92, 631

61-14474

Kashanov, L. I., Ivanova, N. P., and Ryzhov, V. P.
CATALYSIS OF THE RATE OF DECOMPOSITION OF
OZONE BY DIFFERENT METAL SURFACES. (1961)

(p. 1 re.)

Order from OTS or SLA §1.1^a

61-14474

Trans. of Zhurnal Prikladnoy Khimii (USSR) (1936)
v. 9, no. 12, p. 2176-2178.

DESCRIPTORS: Catalysis, *Ozone, Decomposition,
Metals, Chemical reactions, Surface properties.

I. Kashanov, L. I.
II. Ivanova, N. P.
III. Ryzhov, V. P.

161711

Office of Technical Services

(Unannounced)

Lachinov, S.
ON THE QUESTION OF THE REDUCTION OF IRON
CATALYSTS FOR THE SYNTHESIS OF AMBONIA
I. STAGE OF THE REDUCTION PROCESS. [1964] 32
(Discovered 12/30/64)
Contributed by S. S. A. or ETC 32.61 TT-94-10744

Trans. of Zhurnal Khimicheskoi Khimii (U.S.S.R.) 1937, v. 10,
no. 1, p. 19-34.

1. Lachinov, S.
II. THE SECOND STAGE

(Chemistry-Physical, TT, v. 11, no. 12)

Office of Technical Services

Determination of CaSO_4 in Gypsum by V. K. Zolotukhin

RUSSIAN, Izvestiya Prikladnoi Khimii, Vol 10, No 1, 1937, pp 208-11

BEL. Comm No 419

Sci Museum Lib No 50/3283 - London

Scientific

Chlorination of / Minerals Containing Rare Elements, by
G. G. Urizov, I. S. Morozov, M. P. Shmantsar', 21 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol X, No 1, 1937,
pp 6-13.

Sci Trans Center RT-891

Scientific - Chemistry
CTS/DEK

14,046

Physico-chemical Analysis in the Field of Nitric
Acid-Treatment of Phosphates, by A. P. Belopol'skiy,
M. N. Stulgina, M. T. Borebrenskaya, S.Y. Shpunt,
10 pp.

RUSSIAN, Izv. Akad. Nauk SSSR, Ser. Khim., Vol X, No 3, 1937,

SLA R-2848

Sci

Jul 59

92,388

The Reaction of Iron Catalysts Used in the
Synthesis of Ammonia, by S. S. Iachinof,
A. A. Vredenskiy, 26 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol X, 1957,
pp 435-455.

SLA R-2068

Sci - Chem

Jun 59

89,554

Markov, V. K. and Nagornaya, N. A.
THE CHANGE IN THE PROPERTIES OF SILICA GELS
ON WASHING AS A CONSEQUENCE OF THE CHANGE
IN THEIR SUBMICROSCOPIC STRUCTURE. [1963] 15p.
11 refs.

Order from OTS or SLA \$1.60

63-14587

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1967,
v. 10, p. 853-858.

DISCUSSION: *Gels, *Silica compounds, *Decades,
*Surfactants, *Supercritical, Structural properties, Porosity,
Surface-active substances, Adsorption.

(Chemistry-Physical, TT, v. 10, no. 4)

63-14587

I. Markov, V. K.
II. Nagornaya, N. A.

Office of Technical Services

Relating to Electrolysis Theory of Cryolite
Alumina Solutions, by I. P. Tverdovskiy,
V. S. Molchanov, 19 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol X, No 6,
1987, pp 1011-1019.

Sci Tr Center
RT-1527

Scientific - Chemistry

18,881

Pressure of Water Vapor Over Molten Sodium and
Potassium Hydroxides, by A. M. Bauman, 19 pp.

RUSSIAN, no per, Zhur Prii Khim, Vol X, ~~INDEX~~
No 7, 1937, pp 1165-1172.

Sci Trans Center
RI-2838

Scientific - Chemistry

Jan 56 CFS/DEX
30,736

61-18185

I. Pavlovich, P. I.

Pavlovich, P. I.
POLYMERIZATION OF VINYL CHLORIDE IN
SOLUTIONS AND EMULSIONS. [1961] 12p. 11 refs.
Order from OTS at SLA \$1.60 61-18185

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1937,
v. 10, p. 1071-1079.

DESCRIPTORS: Vinyl chlorides, Chlorides,
Polymerization, Solutions.

(Unarmored)

Office of Technical Services

Physicochemical Analysis in the Nitric Acid
Treatment of Phosphates. II. Solubility of
Calcium Nitrate in Aqueous Solutions of Nitric
Acid, by A. P. Balopol'skiy and V. V. Urusov,
6 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol X, 1937,
pp 1178-1182.

SLA R-2158

Sci

72, 113

82
Solubility of Sodium Fluosilicate in
Phosphate Solutions and the Salting-
Out Effect of Sodium Chloride, by N.
L. Chepelevetskiy and T. Bolts, 12 pp.

RUSSIAN, per, Zhur Prik Khim, Vol 1,
1937, pp 1183-1193.

OTS 1-146-7
SLA R-2175

Sci

Aug 58

72/22

63-10352

I. D'yachkov, V. D.

D'yachkov, V. D.
INTERACTION OF THE SODIUM ALUMINATE AND
SILICA SOLUTIONS. 14 Feb 45, 8p. (figs. omitted)
10 refs.

Order from OTS or SLA \$1.10

63-10352

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1937,
v. 10, p. 1211-1215.

Another trans. is available from SLA as R-4960, 8p.

DESCRIPTORS: *Sodium compounds, *Aluminates,
Chemical reaction, *Silicon compounds, Colloids,
Chemical precipitation, Chemical analysis, Oxides.

(Chemistry--Inorganic, TT, v. 9, no. 11)

Office of Technical Services

Determination of Viscosity and Density of Aqueous
Solutions of Technical Caustic, by A. I. Sertsev,
6 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol X, No 8, 1937,
pp 1500-1503.

SCI Tr Center
RT-1580

Scientific - Chemistry

CTB/DEX

18,761

Physicochemical Analysis of the Nitric Acid Treatment of Phosphates III. The System $\text{CaO-P}_2\text{O}_5-\text{H}_2\text{O}$ at 50° , by A. P. Belopol'skiy, M. T. Seretrennikov, S. Y. Shpunt, 9 pp.

RUSSIAN, per, Zhurnal Prikl. Khim, Vol. 10, 1937, No. 3, pp. 1523-1529.

SLA R 3017

Sci

Jul 59

92, 387

Physicochemical Investigation of Complex Fertilizers.
Complex System: $\text{H}_2\text{O}-\text{NH}_4\text{NO}_3-\text{NH}_4\text{H}_2\text{PO}_4$, by A. G. Bergman,
P. P. Kochkharov, 5 pp.

RUSSIAN, part, Zhur Prikl Khim, Vol X, 1937, pp
1531-1536.

ELA R-3294

Sci

Aug 59

93 580

Derivation and Characteristics of the Tanning
Action of Water - Soluble Products of the Con-
densation of Resorcinol with Furfural, by A. N.
Mikhaylov, 12 pp.

RUBIN, M., Zhurnal Prikladnoy Khimii, Vol. 4,
No 9, pp 1579-1585.

IV

ACSI H-4993

Sci + Chem

Mar 60

119,518

A Colorimetric Method for the Determination of
Zirconium, by V. A. Nazarenko. UNCL

RUSSIAN, part, Zhur Prikl. Khim., Vol X, No 9, 1937,
pp 1686-1693.

RAI TTG

Sci - Phys; Chem
Apr 59

10. 112

84, 847

The Reduction of Iron Catalysts Used in the
Synthesis of Ammonia, by S. S. Lachinov,
26 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol 1, 1957,
pp 1847-1866.

SIA R-2600

Sci - Chem

Jan 59

89,553

Grinevich, V. M. and Klapchuk, S. V.
 OVER DE TOEPASSING VAN KRIWOI-ROG-HEMATI-
 TIT ALS GROEUSTOF VOOR DEN AMMONIAK-
 KATALYSATOR (Utilization of KRIWOI-ROG-hemati-
 te as a Raw Material for the Ammonia-catalyst) tr. by
 A. Bosh-Sukach and G. J. M. Feltzschy. 7p. 3 refs.
 MTWL 122. (text in Dutch).
 Order from OTS or HTC \$1.55

61-17727

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1937,
 v. 10, p. 1868-1870.

DESCRIPTORS: Ammonia, Synthesis, Catalysts,
 Magnetics

61-17727

I. Grinevich, V. M.
 II. Klapchuk, S. V.
 III. MTWL-122
 IV. Stichting Moedijk
 Toegankelijke Wetenschap-
 pelijke Literatuur

Office of Technical Services

The Kinetics of the Process of Interaction of
Copper With Solutions of Ferric Chloride, by
S. A. Pletenev, S. A. Pavlov, 25 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol X, No 1.2, 1937,
pp 1957-1957.

SLA R-861

Sci - Chemistry
(Oct 57

54,438

Yemen, N. P. 2. Zambazaya, N. M.
 PREVENTION OF SCALD BY PROTECTIVE
 COATINGS [1981] (S. 151) (S. 151) (S. 151)
 G. 151 (S. 151) (S. 151) (S. 151)

Yemen, N. P. 2. Zambazaya, N. M. (US-8) 1981
 G. 151 (S. 151) (S. 151) (S. 151)

101521

1. Methods - Applications
2. Methods - Studies
3. Methods - Alternative
4. Methods - Effects
5. Yemen, N. P.
6. Zambazaya, N. M.

101526

Office of Technical Services

Topchikov, A. V. and Pauskin, Ya. M.
 DE HETEROGEENE CATALYSE DER SULFONERING
 VAN BENZOLEN MET BEHULP VAN ZWAVELZUURAN-
 HYDRIDE III 250-4500 (Heterogeneous Catalyst for
 the Sulfonation of Benzene with Sulfur Trioxide at
 250-4500) tr. by G. J. M. Fritschy. 8p. 5 refs.
 MT 91: 39. (text in Dutch)
 (Author from: ITC or ETC 84 85)

61-17673

Trans. of Zhurnal Prikladnoi Khimii (USSR) v. 12,
 p. 64-68.

DESCRIPTION: *Benzenes, *Sulfonates, Sulfur
 compounds, Oxides, *Catalysts.

61-17673

- I. Topchikov, A. V.
- II. Pauskin, Ya. M.
- III. MTWL 39.
- IV. Stichting Moelijk
 Toegankelijke Wetenschap-
 pelijke Literatuur

Office of Technical Services

Production of Titanic Acid Oil and
Examination of its Absorption Properties,
by S. E. Verkhovskii, A. K. Verkhovskaya,
M. V. Kartaynel, 10 ---.
RUSSIAN, per, Zhurnal Prikladnoi Khimii,
Vol 11, No 1, 1938, pp 4-11.
TC-374

Sci

336,232

Aug 57

Preparation of Trihydroxyglutaric Acid From
Xylose, by N. A. Sychev, 25 pp.

RUSSIAN, For, Zhur Prikl Khim, Vol XI, No 1, 1958
pp 68-81. 649794

FDD/X-3717
OTIA 4751

Bol - CHEM

SEP 59
NOV

101 514

R-123-N

RUSSIAN, Ser, Zhur Prikl Chem, Vol XI, No 1,
1938, pp 68-82.

*JPBS for Picatinny Arsenal

memo dtd 28 Jul 59

The Alkaloid of the Nicotiana Glauca Plant
by M. I. Gurova, 14 pp.
RUSSIAN, per, Zhur Prikl Khim, Vol 11, No 1,
1938, pp 105-108.
K-H-914 e

321,675

Sci - Biological
Mar 67

The Ternary System $KF-HF-H_2O$, by I. Zhuravayev,
10 pp.

RUSSIAN, paper, Zhuravayev, Vol XI, 1938, pp
214-222.

SLA R-42 3339

Sci

Aug 59

93,551

Kiprianov, G. V., and Shostak, F. I.
WINNING VAN MALEINEZUUR DOOR KATALYTISCHE
OXIDATIE VAN BENZOL (Preparation of Maleic Acid
by Catalytic Oxidation of Benzene) (p. 15 refs.
MTWL-140. (text in Dutch).
Order from OTS or ETC \$1.45

61-17710

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1938,
v. 11, p. 171-180.

DESCRIPTORS: Benzenes, Oxidation, Catalysis,
"Maleic acid, Preparation.

61-17710

I. Kiprianov, G. V.
II. Shostak, F. I.
III. MTWL-140
IV. Stichting Moedijk
Toezankelijke Wetenschap-
schelijke Literatuur

Office of Technical Services

Variations of the Properties of Smoke in
the Fermentation of Tobacco, by S. L.
Kraiev, 16pp.

RUSSIAN, per, Zhurnal Prikladnoi Khimii,
Vol 11, No 3, 1938, pp 515-522.

FII-909 b

322,304

Sci - Chemistry
Mar 67

Telegin, V. G. and Sidorov, N. V.
 HET ELEKTROSMELTEN VAN DE KATALYSATOR
 VOOR DE AMMONIAK-SYNTHESE (Electro Fusion
 of the Ammonia-Synthesis Catalyst) tr. by
 A. Bosc-Bukacz and G. J. M. Gritschy. 16p. 17 refs.
 MWL: 11 (text in Dutch).
 Order from OTS or ETC \$1.85

61-17715

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1938,
 v. 11, p. 588-590.

DISCUSSIONS: *Ammonia, Synthesis, *Catalysis,
 Melting.

61-17715

- I. Telegin, V. G.
- II. Sidorov, N. V.
- III. MWL-131
- IV. Selecting Moeilij
 Toegankelijke Wetenschap-
 pelijke Literatuur

Office of Technical Services

Catalytic Oxidation of Nitrogen Monoxide, by
N. P. Kirin, I. O. Blokh, 39 pp.

RUSSIAN, per, Zhur Prikl Khim, No 11, 1938,
pp 714-713.

Sci Tr Center RT -2211

Scientific - Chemistry 54A R-2898
Apr 55 GTS

22, 8/4

Zol'kind, Yu., and Marlow, I.
SOME CYCLODIBENTANE DERIVATIVES. Pt. 15 refs.
MTWL-619.
Order from OCS or EDC \$1.55.

61-17364

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1938,
v. 9, no. 5, p. 218-222.

DESCRIPTORS: Cyclohexanes; Preparation.

61-17364

I. Zol'kind, Yu.
II. Marlow, I.
III. MTWL-619
IV. Stichting Moeslijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Preparation of Chlorides and of Amides of High-
Molecular-Weight Acids by Autocatalysis of Oils and Alcohols,
by A. C. Ghoramshir, Vol. A. Macmillan, 9 p.

RUBIN, 1938, Naturforsch, 1938, Vol XI, No 6,
pp 967-974.

BM 50-20733

Sci
Mar 60
Vol 3, No 1

119874

Corrosion of Copper in Aqueous Solutions of Ammonia
Compounds I. The Mechanism of the Corrosion, by
E. M. Zoretskij, G. V. Akimov, 13 p

RUSSIAN, per. Zhur Prikl Khim, Vol XI. 1938, pp
1161-1171.

SLA R-2956

Bef

Jul 59

92,732

The Synthesis of p-Methylbenzyl acetate From
Toluene, by P. P. Shorygin, A. V. Bogdanova, 5 pp.

RUSSIAN, per, Zhur Prii Khim, Vol XI, No 7/8,
pp 1217-1221, 1938.

Assoc Tech Serv 30,17R

Sci - Chem
Aug 58

70,570

The Production of Sulfur From Gypsum in Combination
With the Manufacture of Ammonia and Soda. Part II.
Investigation of the Physicochemical Properties of
Aqueous Suspensions of Calcium Sulfide, by
G. I. Evdokimov.

RUSSIAN, part, Zhurnal Prikladnoi Khimii, Vol. 11,
1938, pp 1511-1529.

Order from AEC as 14Z120R. p17.05.

WFO 72-00772-076

Jan 78

Ivanova, Z. G. and Rogovin, Z. A.
THE EFFECT OF THE ADDITION OF PLASTICIZERS
ON THE PHYSICO-MECHANICAL PROPERTIES OF
ACETYL CELLULOSE FILMS. III. THE MECHA-
NISM OF PLASTICIZATION. [1960] 22p. 9 refs.
Order from SLA m\$2.70, pb\$4.80

Trans. of [Zhurnal Prikladnoy Khimii] (USSR) 1938
[v. 11, no. 9] p. 1348-1360.

143,014

61-18704

1. Plasticizers--Physical effects
2. Plastic films--Mechanical properties
1. Ivanova, Z. G.
- II. Rogovin, Z. A.
- III. Title: Mechanism.

Office of Technical Services

(Unannounced)

Electrolytic Preparation of Non-Carbonic
Chromium From Solutions of Trivalent
Chromium Salts, by L. N. Golts, et al.

RUSSIAN, per, Zhur Prikl Khim, Vol. XI,
1938, pp 1396-1422.

CSIRO

Sci - Chem
Num 62

199, 37.3

Mechanism of the High Temperature ~~M~~ Hydrogenation of
Aromatic Hydrocarbons, by R. I. Prokopets, 10 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XI, No 10, 11,
1948, pp 1471-1474.

US Dept of Commerce
Patent Office
Sci Lib

165,412

Sci
Aug 61

The Heat Evaporation of Water From Phosphoric Acid
Solutions of Various Concentrations at 800, by K.
I. Zagvozdin, 9 pp.

RUSSEAN, per, Zhur Prii Khim, Vol XI, 1938, pp
1543-1547.

SIA R-2577

Sci. - Chem.

Jan 59

89,595

Volatilization of Phosphorus and Fluorine from
Erbium Apatite, by N. Zagvoedkin, S. Bolts, 11
pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XI, 1938,
pp 1548-1555.

SIA 8-2579

Sci - Chem

Jun 59

89,594

Belopol'ski, A. P., Tiperova, A. A., and
Shul'gina, M. N.
PHYSICO-CHEMICAL ANALYSIS IN THE SULFURIC
ACID TREATMENT OF PHOSPHATES: CONVERSIONS
OF CALCIUM SULFATE CRYSTAL HYDRATES IN
THE PRESENCE OF PHOSPHORIC ACID AT 80° C.
[Jan 64] 12;

Order from ATS \$16.75 ATS-46Q73R

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1939,
v. 12, no. 1, p. 3-12.

DESCRIPTORS: Phosphates, Sulfuric acid, *Phosphoric
acids, Hydrates, Crystals, *Calcium compounds,
*Sulfates, Chemical analysis.

(Chemistry--Physical, TT, v. 11, no. 10)

TT-64-12408

- I. Belopol'ski, A. P.
- II. Tiperova, A. A.
- III. Shul'gina, M. N.
- IV. ATS-46Q73R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

John Paul Klein

Vol 12, No 7, 3/10/41-6 (1939)

Determination of Small Concentrations of
Chlorine Dioxide

N. J. Kottelhorst
A. P. Kottelhorst

Proc. Am. Soc. Chem. Div. # 27-58
(June 5, 1939)

ATROSHCHENKO, V. I.
R 2957. Kinetics of absorption of nitrogen oxides by
alkaline solutions. Zh. Priklad Khim., 12, p.167-80,
1939 (20p.)

Chemistry of Titanium, XIII. Separation of Titanium
Dioxide From Sulfuric Acid Solutions, by A. V.
Pamfilov, M. G. Ivancheva, I. M. Soboleva, 13 pp.

12.

RUSSIAN, Zhur Prikl Khim, Vol XII, No 2, 1939,
pp 228-233.

Sci Trans Center: RT-873

Scientific - Chemistry

CIS/RC:

14,039

Electrolytic Production of Manganese, by P. B.
Zhirovitskiy, Zaretskiy, 10 pp.

RUSSIAN, per, Zhur Priklad Khim, Vol XII, 1939,
pp 635-641.

SLA 57-1513

Jul 58

70, 008